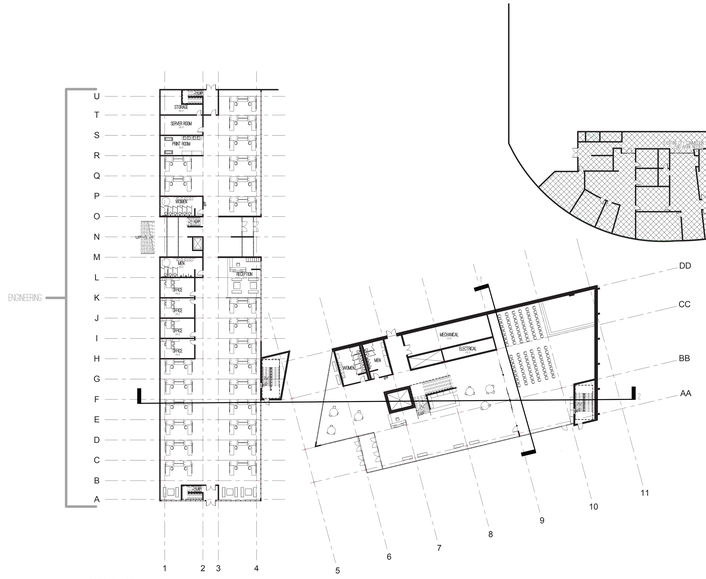
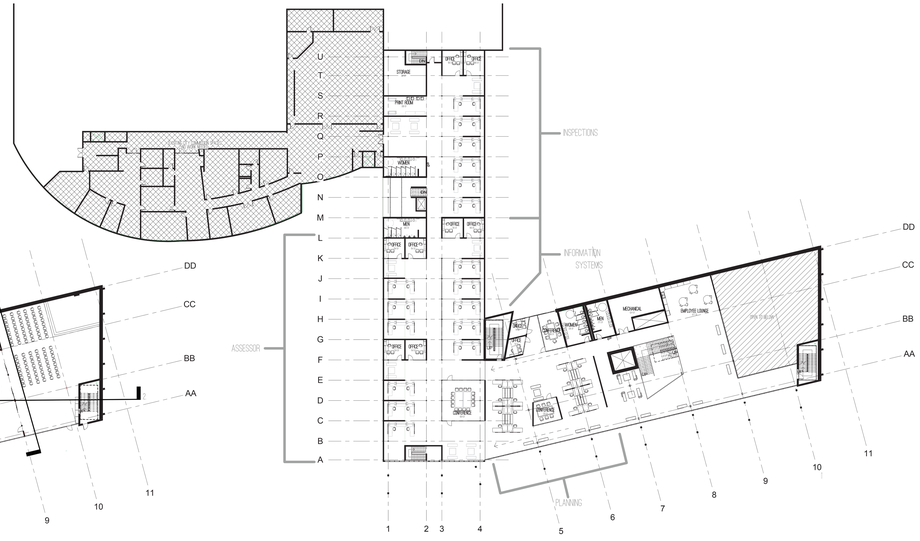
URBAN ADVOCATE

FARGO CITY HALL RENOVATION AND ADDITION

HOW CAN A CITY HALL ADVOCATE THE VALUES AND CULTURAL ASPECTS OF A COMMUNITY?



FLOOR ONE 1"= 20'

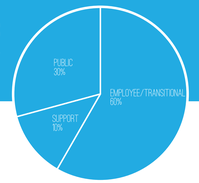


FLOOR TWO 1"= 20'

FLOOR THREE 1"= 20'

PROGRAMMATIC REQUIREMENTS

TOTAL SQUARE FOOTAGE: 74,600 S.F.
EMPLOYEE/ TRANSITIONAL SPACES: 47,931 SF
PUBLIC SPACES: 24,930 SF
SUPPORT SPACES: 7, 670 SF



WHAT ARE THE VALUES OR CULTURAL ASPECTS THAT CAN BE ADVOCATED THROUGH THE CITY HALL AND HOW ARE THEY ACCOMPLISHED?

.A RECONNECTION TO THE ENVIRONMENT AND THE RIVER

- -RIVER OVERLOOK ON THE THIRD FLOOR
- -RIVERFRONT GATEWAY CREATED THROUGH THE EARTH DIKE
- -FLOOD PROTECTION DIKE SERVING MULTIPLE FUNCTIONS
- -THE CONCEPT OF STRATA THROUGHOUT THE DESIGN

PRESERVATION OF HISTORY AND OUR CULTURE

- -RENOVATION OF EXISTING CITY HALL
- -FARGO HISTORY GALLERY
- -REFOCUSING ON THE RIVER AND THE STRATA OF THE LAND

CREATING VALUED PUBLIC ENVIRONMENTS

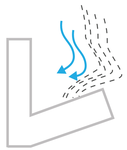
- -USING DURABLE, SUSTAINABLE MATERIALS
- -CHOOSING TO RENOVATE RATHER THAN DESTROY
- -CREATE OUTDOOR PUBLIC SPACES THAT ENHANCE WALKABILITY
- -INCORPORATE PASSIVE AND ACTIVE SUSTAINABLE TECHNOLOGIES

1ST FLOOR LOBBY

1ST FLOOR GATHERING SPACE

TYPICAL OFFICE SPACE

3RD FLOOR GALLERY AND OVERLOOK

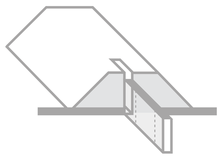


EARTH SHELTERING

ONE FUNCTION OF THE EARTHEN DIKE IS THAT IT WILL HELP TO INSULATE THE NORTHERN FACE OF THE BUILDING FROM THE COLD WINTER WINDS.

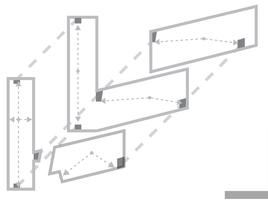
CONCEPT OF "STRATA"

THE CONCEPT OF STRATA OR LAYERS IS USED THROUGHOUT THE DESIGN IT IS AN AESTHETIC ELEMENT THAT CONVEYS BOTH A CONNECTION TO THE SURROUNDING ENVIRONMENT AS WELL AS A FOCUS ON THE HISTORY OF FARGO IT IS SEEN THROUGH THE BLUE STRATIONS ON THE CURTAIN WALLS, THE VARIATION OF COLOR ON EACH CEILING, AND THROUGH THE LINEARITY OF THE DESIGN.



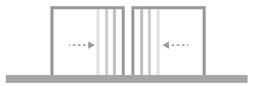
DIKE CLOSURE SYSTEM

DURING TIMES OF FLOODING, TEMPORARY CONCRETE WALLS WILL NEED TO BE PLACED WITHIN THE DIKES OPENING. THIS IS COMMON PRACTICE AMONG SEVERAL FLOOD WALLS THROUGHOUT THE CITY OF FARGO.



EGRESS

STAIR TOWERS ARE LOCATED ON OPPOSITE ENDS OF BOTH THE EXISTING PORTION AND THE ADDITION. THIS WILL ALLOW PEOPLE TO EXIT THE BUILDING MORE QUICKLY IN THE EVENT OF AN EMERGENCY.

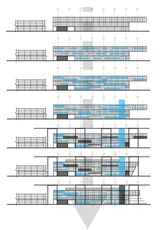


PERMEABLE SPACES

THE PUBLIC SPACES HAVE LARGE SLIDING DOORS THAT ALLOW FOR A MORE PERMEABLE ENVIRONMENT. NOT ONLY DOES IT ALLOW FOR A CONNECTION TO THE NATURAL ENVIRONMENT, BUT IT ALSO ALLOWS FOR A MORE OPEN AND WELCOMING ATMOSPHERE.

CONNECTION TO RIVER

2ND STREET LIES BETWEEN THE RIVER AND THE CITY HALL. A SPEED TABLE WILL BE USED TO SLOW TRAFFIC WHILE ALSO PROVIDING A DESIGNATED CROSSING POINT OVER 2ND STREET.

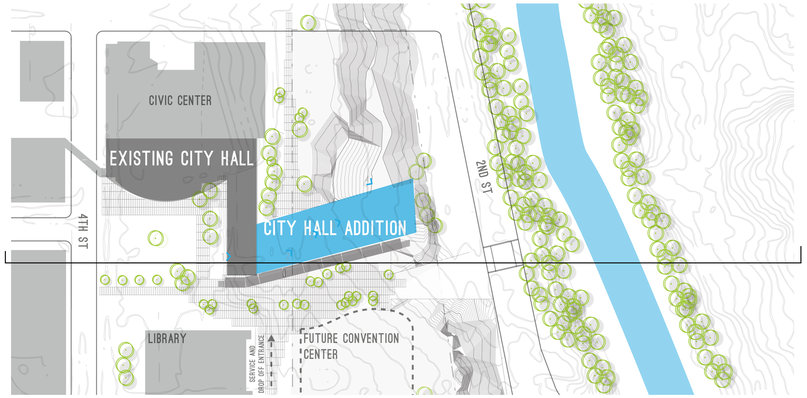


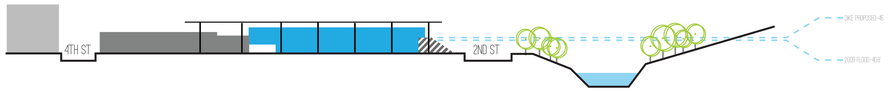
PROGRESSION OF FORM

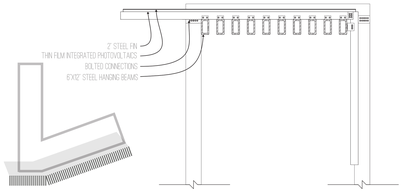
200 3RD STREET NORTH
FARGO, NORTH DAKOTA

THE SITE IS LOCATED ON A PARKING LOT JUST EAST OF THE EXISTING FARGO CITY HALL, AND THE RED RIVER LIES JUST A FEW HUNDRED FEET TO THE EAST OF THE PROPOSED ADDITION. THE RIVER PROVIDED NOT ONLY THE INSPIRATION FOR THE PROJECT, BUT ALSO ADDED CHALLENGES WORTH EMBRACING. IT WAS CLEAR FROM THE BEGINNING THAT PERMANENT FLOOD PROTECTION IS A NECESSITY FOR THIS PROJECT IN THE FORM OF AN EARTHEN DIKE. IT ALLOWED ME TO CREATE A GATEWAY FOR THE RIVER FRONT, WHILE ALSO PROVIDING SHELTERING FROM THE COLD NORTH WINDS.

THE CURRENT CITY HALL LIES PERPENDICULAR TO THE ADDITION. IT WAS COMPLETED IN 1888 BY WELL KNOWN ARCHITECT, RALPH RAPSON. THE MODERNIST DESIGN WAS ONE OF THE FIRST OF ITS KIND IN FARGO.



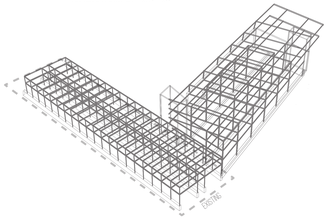




SOLAR SHADING

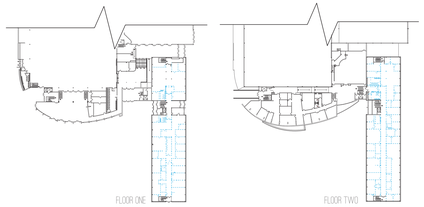
SCAN HERE FOR ADDITIONAL INFORMATION

SOLAR SHADING PREVENTS DIRECT SUNLIGHT FROM OVERHEATING THE BUILDING DURING THE SUMMER MONTHS WHILE ALLOWING DIRECT SUNLIGHT IN THE WINTER MONTHS. THE DESIGN OF THE SHADING DEVICE WAS INFLUENCED BY THE DOWNTOWN FARGO ALLEYS AND THE ACCOMPANYING POWER POLES.

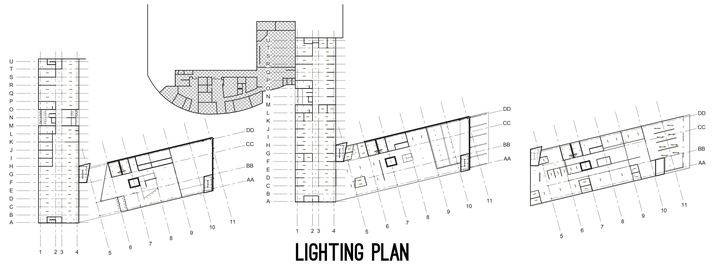


STRUCTURAL DIAGRAM

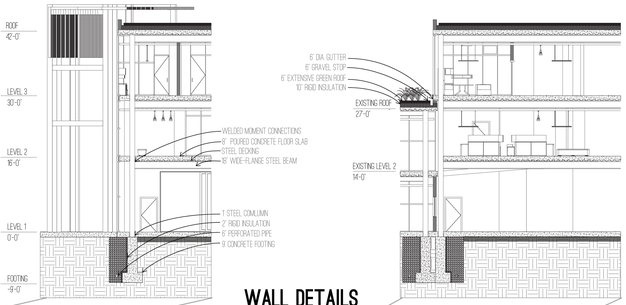
THE EXISTING CITY HALL IS A STEEL STRUCTURE THAT IS PULLED AWAY FROM THE BUILDING SHELL. THE SAME IS TRUE OF THE ADDITION WITH THE EXCEPTION OF THE NORTH RETAINING WALL. THE RETAINING WALL SERVES TO KEEP THE EARTHEN DIKE IN PLACE, WHILE ALSO PROVIDING SUPPORT FOR THE ADDITION.



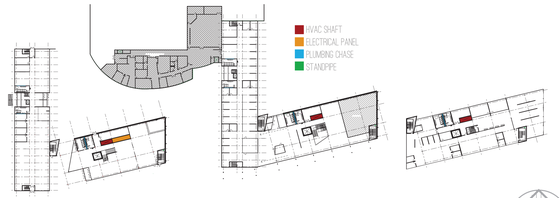
DEMOLITION PLAN



LIGHTING PLAN

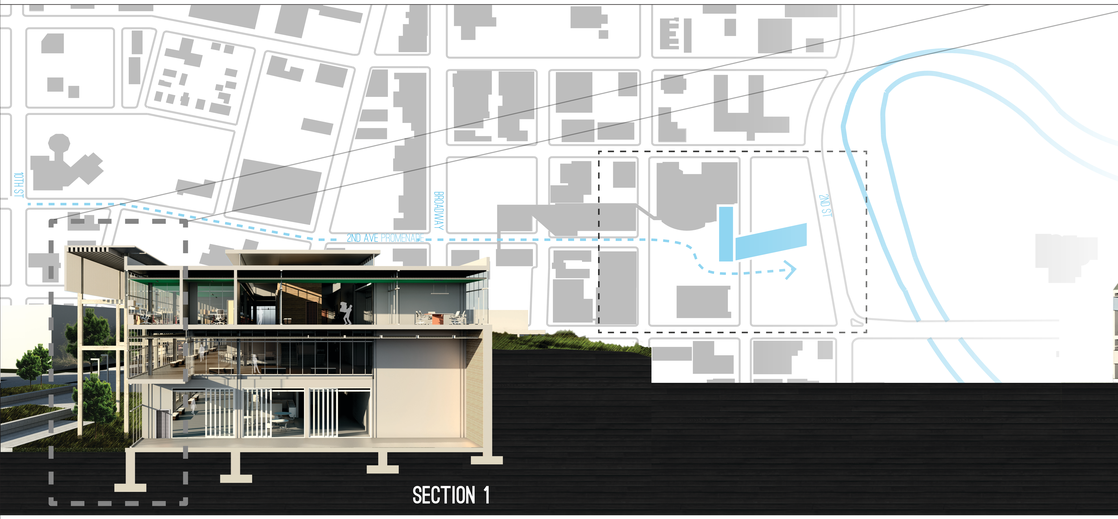


WALL DETAILS

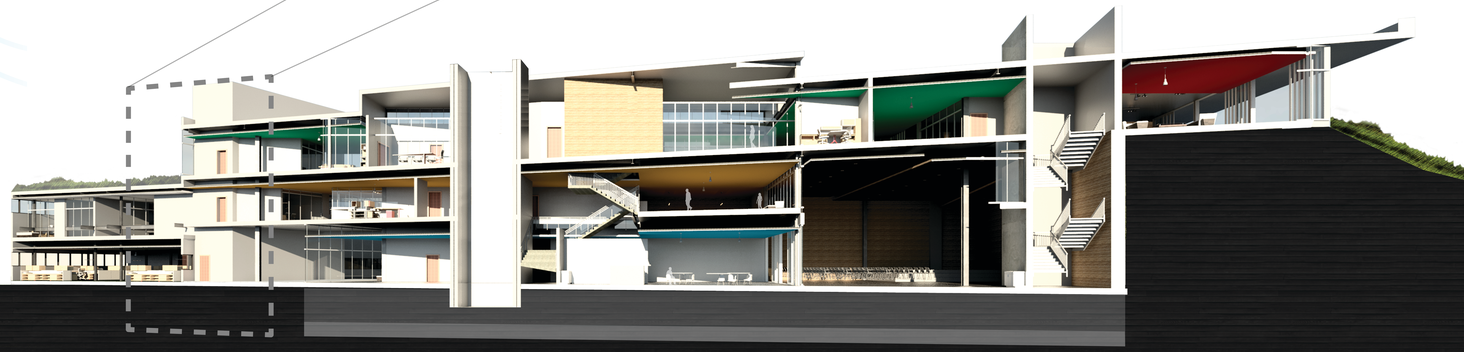


MECHANICAL SYSTEMS

N.T.S.



SECTION 1



SECTION 2

8389 ARCH 772
DESIGN THESIS SPRING SEMESTER 2014
MATT FREMSTAD
MIKE CHRISTENSON

REVIT 2014 AUTOCAD ARCHITECTURE 2014 ADOBE CREATIVE SUITE 5, 3DS MAX DESIGN 2014

N.T.S.